

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|------------------------------------------------------------|---------------------------------------------------------|------------------|---------|---------------------|
| L1 | 423141 | (nuclear adj fuel or rods)and assembly | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |
| L2 | 11 | L1 and tubular adj sheath and pellets and nuclear adj fuel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |
| L3 | 3 | L2 and(defect or flaw or fault) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |
| L4 | 1 | L3 and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |
| L5 | 1 | L4 and (reference adj image\$1 or template) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |
| L6 | 1 | L5 and digital adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |
| L7 | 1 | L6 and(processed or unprocessed) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |

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|-----|--------|-------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| L8 | 1 | L7 and shape | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |
| L9 | 1 | L8 and porosity | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |
| L10 | 1 | L9 and penetration | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |
| L11 | 1 | L10 and subset | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |
| L12 | 1 | L11 and convolver | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |
| L13 | 1 | L12 and smoothing | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:47 |
| L14 | 423141 | (nuclear adj fuel or rods)and assembly | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 11:49 |
| L15 | 39638 | L14 and(processed or unprocessed) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:01 |
| L16 | 2 | L15 and tubular adj sheath and pellets and nuclear adj fuel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:01 |

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|-----|------|-------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| L17 | 3344 | L15 and porosity | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:03 |
| L18 | 1187 | L17 and penetration | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:03 |
| L19 | 7 | L18 and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:03 |
| L20 | 2 | L19 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:04 |
| L21 | 330 | L18 and weld adj bead | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:07 |
| L22 | 1 | L18 and weld adj bead same substep and opening adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:07 |
| L23 | 1 | L18 and weld adj bead and substep and opening adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:07 |
| L24 | 1 | L18 and weld adj bead and opening adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:08 |
| L25 | 0 | L21 and segmentat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:08 |

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| L26 | 1063 | L14 and segmentat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:09 |
| L27 | 0 | L14 and segmentat\$3 and pixel\$2 and whole adj number | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:09 |
| L28 | 248 | L14 and segmentat\$3 and pixel\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:09 |
| L29 | 104 | L28 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:10 |
| L30 | 1 | L29 and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 12:10 |
| L31 | 0 | L29 and(defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:08 |
| L32 | 547 | (defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:08 |
| L33 | 2 | L32 and non-destructive and test\$3 and nuclear adj reactor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:09 |
| L34 | 0 | L33 and segmentat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:09 |

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| L35 | 0 | L32 and segmentat\$3 and pixel\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:09 |
| L36 | 0 | L32 and segmentat\$3 adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:10 |
| L37 | 0 | L32 and radiographic adj image\$1 and segmentat\$3 adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:11 |
| L38 | 1 | L32 and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:11 |
| L39 | 51 | radiographic adj image\$1 and segmentat\$3 adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:12 |
| L40 | 31 | L39 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:12 |
| L41 | 0 | L40 and(defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:12 |
| L42 | 0 | L40 and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:13 |
| L43 | 0 | L40 and convolver | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:13 |

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| L44 | 9 | L40 and smoothing | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:13 |
| L45 | 9 | L44 and(processed or unprocessed) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:14 |
| L46 | 0 | L40 and(test\$3 or inspect\$3 or examining)and nuclear adj reactor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:20 |
| L47 | 9221 | (test\$3 or inspect\$3 or examining)and nuclear adj reactor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:21 |
| L48 | 7 | L47 and(acquiring or obtaining)and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:22 |
| L49 | 4 | L48 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:22 |
| L50 | 1 | L49 and defects adj welds | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:24 |
| L51 | 0 | L49 and segmentat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:25 |
| L52 | 0 | L49 and pixel\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 13:26 |

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| S1 | 337 | non-destructive and test\$3 and nuclear adj reactor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 13:38 |
| S2 | 2 | non-destructive and test\$3 and nuclear adj reactor and radiographic and digital adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 13:39 |
| S3 | 10 | non-destructive and test\$3 and nuclear adj reactor and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 13:43 |
| S4 | 9 | S3 and(@ad<"20031124" or @rlad<"20031124" or @prad<"20031124" or @ptad<"20031124") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 13:49 |
| S5 | 9 | S3 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 13:50 |
| S6 | 0 | (test\$3 or inspect\$3 or examining)and(defect or flaw or fault)and welding adj joints and radiographic and digital adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 13:56 |
| S7 | 286 | (test\$3 or inspect\$3 or examining)and(defect or flaw or fault)and radiographic and digital adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 13:57 |
| S8 | 375 | (test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault)and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 13:58 |
| S9 | 307 | S8 and(@ad<"20031124" or @rlad<"20031124" or @prad<"20031124" or @ptad<"20031124") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 13:58 |

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| S10 | 257 | S8 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 13:59 |
| S11 | 75 | S10 and(comparision or match\$3)and(stored or memory) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:00 |
| S12 | 0 | S11 and assisting and rotating adj object and record\$3 adj image\$1 and digital adj mapp and welded adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:06 |
| S13 | 0 | S10 and assisting and rotating adj object and record\$3 adj image\$1 and digital adj mapp and welded adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:06 |
| S14 | 375 | (test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault) and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:10 |
| S15 | 0 | S14 and(test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault)and radiographic adj image\$1 and welding adj joints and tubing | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:12 |
| S16 | 1 | S14 and(test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault)and radiographic adj image\$1 and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:20 |
| S17 | 106 | (test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault) and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:21 |
| S18 | 1 | S17 and(test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault)and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:22 |

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| S19 | 106 | (test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:29 |
| S20 | 0 | S19 and nuclear adj fuel and rods | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:30 |
| S21 | 348 | non adj destructive and test\$3 and nuclear adj reactor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:33 |
| S22 | 1 | S21 and(acquiring or obtaining)near2 radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:35 |
| S23 | 3 | S21 and(acquiring or obtaining)and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:35 |
| S24 | 2 | S23 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:36 |
| S25 | 0 | S24 and(comparision or match\$3)and(stored or memory) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:36 |
| S26 | 2 | S24 and(comparision or match\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:37 |
| S27 | 0 | S26 and(test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:37 |

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|-----|---|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| S28 | 0 | S26 and(test\$3 or inspect\$3 or examining or detect\$3 or determining)and(defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:38 |
| S29 | 0 | S26 and(test\$3 or inspect\$3 or examining or detect\$3 or determining defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:38 |
| S30 | 2 | S26 and(test\$3 or inspect\$3 or examining or detect\$3 or determining defect or flaw or fault) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:38 |
| S31 | 0 | S30 and thickness adj measured | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:39 |
| S32 | 1 | S30 and thickness and measured | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:39 |
| S33 | 0 | S32 and porous and(areas or region) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:40 |
| S34 | 0 | S32 and porous and(area or region) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:40 |
| S35 | 0 | S32 and bead | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:41 |
| S36 | 0 | S32 and(nuclear adj fuel or rods) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:42 |

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|-----|---|-------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| S37 | 0 | S32 and(nuclear adj fuel or rod) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:42 |
| S38 | 0 | S32 and angles | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:43 |
| S39 | 0 | S32 and dimension | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:44 |
| S40 | 4 | ((PHILIPPE) near2 (MAHE)).INV. | US-PGPUB; USPAT | OR | ON | 2009/04/06 14:45 |
| S41 | 1 | S40 and(acquiring or obtaining)and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:46 |
| S42 | 1 | S41 and(comparision or match\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:47 |
| S43 | 1 | S42 and(test\$3 or inspect\$3 or examining or detect\$3 or determining defect or flaw or fault) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:47 |
| S44 | 0 | S43 and(@ad<"20031124" or @rlad<"20031124" or @prad<"20031124" or @ptad<"20031124") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:47 |
| S45 | 0 | S43 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:48 |

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| S46 | 6 | ((("6154561") or ("2001055415") or ("5999636).pn.")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/06 14:49 |
| S47 | 0 | S46 and(acquiring or obtaining)and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:49 |
| S48 | 6 | S46 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 14:51 |
| S49 | 337 | non-destructive and test\$3 and nuclear adj reactor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:28 |
| S50 | 98 | ((("20070248239") or ("5411340") or ("5510910") or ("5883632") or ("6128022") or ("5946426") or ("4975738") or ("4995061") or ("4999716") or ("5028935") or ("5224179") or ("5283684") or ("5305521") or ("5347600") or ("5361098") or ("5430878") or ("5434956") or ("5450533") or ("5467135") or ("5489782") or ("5528493") or ("5561449") or ("5570433") or ("5594815") or ("5600407") or ("5673207") or ("5714989") or ("5729008") or ("5754704") or ("5847711") or ("5852671") or ("5995661") or ("6002782") or ("6260764") or ("6299062") or ("6361714") or ("6438168") or ("6438251") or ("6441922") or ("6529630") or ("6539127") or ("6683974") or ("6690485") or ("6724921") or ("6731756") or ("6835110") or ("6934405") or ("7034820") or ("7061030") or ("7061564).pn.")).PN. | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2009/04/06 15:31 |
| S51 | 96 | S50 and(@ad<"20031124" or @rlad<"20031124" or @prad<"20031124" or @ptad<"20031124") | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:32 |
| S52 | 0 | S51 and non-destructive and test\$3 and nuclear adj reactor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:32 |
| S53 | 0 | S51 and(acquiring or obtaining)near2 radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:33 |

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| S54 | 0 | S51 and(acquiring or obtaining)and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:33 |
| S55 | 0 | S51 and(test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:34 |
| S56 | 0 | S51 and nuclear adj fuel and rods | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:34 |
| S57 | 0 | S51 and nuclear adj fuel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:35 |
| S58 | 2 | S51 and nuclear | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:35 |
| S59 | 2 | S58 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:35 |
| S60 | 0 | S51 and(test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault)and joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:38 |
| S61 | 0 | S58 and(detect\$3 or determining)and(defect or flaw or fault)and joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:38 |
| S62 | 1 | S58 and joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:38 |

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|-----|---|-------------------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| S63 | 4 | S51 and joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:38 |
| S64 | 1 | S63 and(detect\$3 or determining)and(defect or flaw or fault)and joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:39 |
| S65 | 1 | S64 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:39 |
| S66 | 0 | S63 and(comparision or match\$3) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:43 |
| S67 | 1 | S63 and thickness and measured | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:44 |
| S68 | 0 | S67 and non-destructive | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:44 |
| S69 | 0 | S67 and bead and angles and dimension | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:46 |
| S70 | 0 | S67 and angles and dimension | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:46 |
| S71 | 0 | S67 and dimension | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:46 |

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|-----|------|-----------------------------------|---------------------------------------------------------|----|----|---------------------|
| S72 | 8587 | nuclear adj fuel and assembly | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:56 |
| S73 | 0 | S72 and longituduinal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:57 |
| S74 | 1712 | S72 and longitudinal | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:57 |
| S75 | 584 | S72 and longitudinal adj axis | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:57 |
| S76 | 48 | S75 and sheath | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:57 |
| S77 | 17 | S76 and sealed and top and bottom | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 15:58 |
| S78 | 8816 | S77 aqnd weld adj bead | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:03 |
| S79 | 1 | S77 and weld adj bead | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:04 |
| S80 | 0 | S79 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:04 |

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|-----|------|-------------------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| S81 | 11 | S77 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:04 |
| S82 | 0 | S81 and weld adj bead | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:05 |
| S83 | 2321 | 382/100,249,118.ccls. | USPAT | OR | ON | 2009/04/06 16:06 |
| S84 | 8780 | 382/100,249,118,232,248,249,276,286,291,154,181,190,195,203.ccls. | USPAT | OR | ON | 2009/04/06 16:08 |
| S85 | 0 | S84 and nuclear adj fuel and assembly | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:09 |
| S86 | 3 | S84 and(acquiring or obtaining)near2 radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:10 |
| S87 | 21 | S84 and(acquiring or obtaining)and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:10 |
| S88 | 0 | S87 and nuclear adj fuel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:10 |
| S89 | 0 | S87 and(detect\$3 or determining)and(defect or flaw or fault)and joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:11 |
| S90 | 8821 | S87 aqnd weld adj bead | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:12 |

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|-----|----|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| S91 | 0 | S87 and weld adj bead | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:12 |
| S92 | 0 | S87 and(test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:13 |
| S93 | 0 | S87 and(detect\$3 or determining)and(defect or flaw or fault)and joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:13 |
| S94 | 17 | S87 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:13 |
| S95 | 0 | S94 and weld adj bead | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:49 |
| S96 | 6 | S94 and angles and dimension | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:50 |
| S97 | 1 | S96 and thickness and measured | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:51 |
| S98 | 0 | S97 and porous and(areas or region) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:53 |
| S99 | 0 | S97 and porous | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:53 |

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|------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| S100 | 0 | S97 and nuclear adj fuel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 16:54 |
| S101 | 7815 | 358/1.9,1.1,500,501,502,518,520,1.18.cds. | USPAT | OR | ON | 2009/04/06 17:01 |
| S102 | 1 | S101 and(acquiring or obtaining)near2 radiographic adj image\$1 | USPAT | OR | ON | 2009/04/06 17:02 |
| S103 | 1 | S102 and @ad<"20031124" | USPAT | OR | ON | 2009/04/06 17:03 |
| S104 | 0 | (non-destructive and test\$3 and nuclear adj reactor and acquiring and reference adj image and processed and unprocessed and detect adj defects).clm. | US-PGPUB | OR | ON | 2009/04/06 17:06 |
| S105 | 1 | (non-destructive and testing and nuclear adj reactor and acquiring radiographic adj image and reference adj image and processed and unprocessed and detect adj defects).clm. | US-PGPUB | OR | ON | 2009/04/06 17:07 |
| S106 | 677 | (non-destructive or non adj destructive)and surface adj defects | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 17:27 |
| S107 | 2 | S106 and(acquiring or obtaining)and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 17:28 |
| S108 | 2 | S107 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 17:28 |
| S109 | 0 | S108 and(test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 17:28 |
| S110 | 2 | S108 and(test\$3 or inspect\$3 or examining)and(detect\$3 or determining)and(defect or flaw or fault) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 17:29 |

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|------|-------|-------------------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| S111 | 0 | S110 and weld adj bead | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 17:29 |
| S112 | 0 | S110 and angles and dimension | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 17:29 |
| S113 | 0 | S110 and thickness and measured | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/06 17:29 |
| S114 | 18896 | "378"/\$.cls. | USPAT | OR | ON | 2009/04/06 17:31 |
| S115 | 4 | S114 and(non-destructive or non adj destructive)and surface adj defects | USPAT | OR | ON | 2009/04/06 17:31 |
| S116 | 1 | S115 and(acquiring or obtaining)and radiographic adj image\$1 | USPAT | OR | ON | 2009/04/06 17:32 |
| S117 | 87931 | "250"/\$.cls. | USPAT | OR | ON | 2009/04/06 17:32 |
| S118 | 88 | S117 and(non-destructive or non adj destructive)and surface adj defects | USPAT | OR | ON | 2009/04/06 17:32 |
| S119 | 1 | S118 and(acquiring or obtaining)and radiographic adj image\$1 | USPAT | OR | ON | 2009/04/06 17:32 |
| S120 | 1 | S119 and @ad<"20031124" | USPAT | OR | ON | 2009/04/06 17:33 |
| S121 | 544 | (defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/08 23:45 |
| S122 | 2 | S121 and non-destructive and test\$3 and nuclear adj reactor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/08 23:46 |

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|------|---|-----------------------------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| S123 | 2 | S122 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/08 23:46 |
| S124 | 0 | S123 and(acquiring or obtaining)and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/08 23:50 |
| S125 | 0 | S123 and(acquiring or obtaining)and(radiographic adj image\$1 or Xrays or X-rays) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/08 23:51 |
| S126 | 0 | S123 and(acquiring or obtaining)and image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/08 23:51 |
| S127 | 2 | S123 and welding | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:00 |
| S128 | 1 | weld adj beads and sealing adj spot adj welds and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:18 |
| S129 | 2 | spot adj welds and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:18 |
| S130 | 4 | weld adj beads and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:19 |
| S131 | 2 | S130 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:19 |

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| S132 | 422935 | (nuclear adj fuel or rods)and assembly | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:39 |
| S133 | 75 | S132 and non-destructive and test\$3 and nuclear adj reactor | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:39 |
| S134 | 65 | S133 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:39 |
| S135 | 0 | S134 and(acquiring or obtaining)and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:39 |
| S136 | 0 | S134 and(defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:46 |
| S137 | 33 | S134 and(defect or flaw or fault) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:46 |
| S138 | 0 | S137 and weld adj beads and sealing adj spot adj welds and(defect or flaw or fault) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:48 |
| S139 | 1 | (nuclear adj fuel or rods)and weld adj beads and sealing adj spot adj welds and(defect or flaw or fault)and assembly | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:48 |
| S140 | 1 | nuclear adj fuel and weld adj beads and sealing adj spot adj welds and(defect or flaw or fault)and assembly | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:49 |

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|------|----|--------------------------------------------------------------|---------------------------------------------------------|----|----|---------------------|
| S141 | 11 | S132 and tubular adj sheath and pellets and nuclear adj fuel | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:51 |
| S142 | 0 | S141 and(defect or flaw or fault)and welding adj joints | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:52 |
| S143 | 3 | S141 and(defect or flaw or fault) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:58 |
| S144 | 1 | S143 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 00:59 |
| S145 | 0 | S144 and(acquiring or obtaining)and image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:01 |
| S146 | 0 | S144 and image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:01 |
| S147 | 1 | S143 and radiographic adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:02 |
| S148 | 1 | S147 and (reference adj image\$1 or template) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:03 |
| S149 | 1 | S148 and digital adj image\$1 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:03 |

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|------|---|------------------------------------|---------------------------------------------------------|----|----|---------------------|
| S150 | 1 | S149 and(processed or unprocessed) | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:04 |
| S151 | 1 | S150 and shape | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:05 |
| S152 | 1 | S151 and porosity | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:05 |
| S153 | 1 | S152 and penetration | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:06 |
| S154 | 1 | S153 and subset | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:06 |
| S155 | 1 | S154 and convolver | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:06 |
| S156 | 0 | S155 and segmentat\$3 | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:07 |
| S157 | 1 | S155 and smoothing | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:07 |
| S158 | 0 | S157 and calculat\$3 adj differenc | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:08 |

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|------|---|-------------------------|---------------------------------------------------------|----|----|---------------------|
| S159 | 0 | S157 and differenc | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:08 |
| S160 | 0 | S157 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:08 |
| S161 | 1 | S143 and @ad<"20031124" | US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2009/04/09 01:10 |

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